

Amendments To The Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (currently amended) Dosage feed device-(1), in particular for the dosage feed of an additive fluid-(2) in crude oil production, the dosage feed device comprising:

~~with a dosing element-(4), which can be adjusted by an adjustment device-(3), and~~

~~characterised in that~~

~~the dosing element-(4) exhibits including a dosing gap-(5) and a valve device-(7) arranged following the dosing gap in the fluid flow direction-(6) of fluid flow of the additive fluid-(2).~~

2. (currently amended) Dosage feed device according to claim 1,

~~wherein characterised in that~~

~~an opening area-(8) of the dosing gap-(5) is variable.~~

3. (currently amended) Dosage feed device according to claim 1 ~~one of the previous claims,~~

~~wherein characterised in that~~

~~the dosing gap-(5) is formed between a dosing cone-(9) and counter element-(10), whereby the dosing cone-(9) and counter element-(10) are movable relative to one another.~~

4. (currently amended) Dosage feed device according to claim 3 ~~one of the previous claims,~~

~~wherein characterised in that~~

~~the dosing cone-(9) is formed as the end section-(11) of a displaceable sleeve-(12), the said end section appearing conical in the direction of fluid flow-(6), whereby at least the end section-(11) is arranged for displacement in a guide sleeve-(13) as the counter element-(10).~~

5. (currently amended) Dosage feed device according to claim 1 ~~one of the previous Claims,~~

—— ~~wherein characterised in that~~

—— the dosing gap (5) is formed ring-shaped.

6. (currently amended) Dosage feed device according to claim 4 ~~one of the previous Claims,~~

—— ~~wherein characterised in that~~

—— a guide section (14) of the displaceable sleeve (12) is supported for displacement in a support sleeve (15) between an extended position and a withdrawn position (16, 17).

7. (currently amended) Dosage feed device according to claim 6 ~~one of the previous claims,~~

—— ~~wherein characterised in that~~

—— the displaceable sleeve (12) is subject to spring pressure in the direction of the withdrawn position (17).

8. (currently amended) Dosage feed device according to claim 6 ~~one of the previous claims,~~

—— ~~wherein characterised in that~~

—— an especially annular stop (18) protrudes radially outwards from the displaceable sleeve (12) for defining the withdrawn position (17) on the support sleeve (15).

9. (currently amended) Dosage feed device according to claim 6 ~~one of the previous claims,~~

—— ~~wherein characterised in that~~

—— a compression spring (20) is arranged between the support sleeve (15) and a first sleeve end (19) of the displaceable sleeve (12).

10. (currently amended) Dosage feed device according to claim 9 ~~one of the previous claims,~~

—— ~~wherein characterised in that~~

—— a support ring (21) is arranged on the first sleeve end (19).

11. (currently amended) Dosage feed device according to claim 4~~one of the previous claims~~,
—— wherein~~characterised in that~~

—— a valve-seat sleeve (22) is arranged between the valve device (7) and the dosing gap (5) in
the flow channel (23), on which a valve element (24) of the valve device (7) contacts on one side
in the valve-closed position (25).

12. (currently amended) Dosage feed device according to claim 11~~one of the previous
claims~~,

—— wherein~~characterised in that~~

—— the valve device (7) is a non-return valve (26) which is subject to spring pressure in the
direction of the valve-seat sleeve (22).

13. (currently amended) Dosage feed device according to claim 11~~one of the previous
claims~~,

—— wherein~~characterised in that~~

—— the valve element is a essentially spherical valve element (24) that contacts an opening
edge (27) of the valve-seat sleeve (22), sealed tightly against fluids, in the valve-closed position
(25).

14. (currently amended) Dosage feed device according to claim 11~~one of the previous
claims~~,

—— wherein~~characterised in that~~

—— a spacer sleeve (28) is arranged between the valve-seat sleeve (22) and the guide sleeve
(13).

15. (currently amended) Dosage feed device according to claim 11~~one of the previous
claims~~,

—— wherein~~characterised in that~~

——the valve element (24) is arranged in ~~an essentially~~ cup-shaped element receptacle (29), between which and an inner side (30) of a housing hole (31) at least one fluid opening (51) is formed.

16. (currently amended) Dosage feed device according to claim 1 ~~one of the previous claims~~,

—— wherein ~~characterised in that~~

——the dosing gap (5) ~~exhibits~~ includes a certain opening area (8) in a withdrawn position (17) of the displaceable sleeve (12).

17. (currently amended) Dosage feed device according to claim 14 ~~one of the previous claims~~,

—— wherein ~~characterised in that~~

——an actuating plunger (32) is supported for displacement within the displaceable sleeve (12), spacer sleeve (28) and valve-seat sleeve (22), which is in contact with the valve element (24) at its support end (33).

18. (currently amended) Dosage feed device according to claim 17 ~~one of the previous claims~~,

—— wherein ~~characterised in that~~

——the actuating plunger (32) is movably connected to the adjustment device (3) with its moving end (34) remote from its support end (33).

19. (currently amended) Dosage feed device according to claim 18 ~~one of the previous claims~~,

—— wherein ~~characterised in that~~

——the movable end (34) protrudes by a certain delay length (35) out of the first sleeve end (19) of the displaceable sleeve (12).

20. (currently amended) Dosage feed device according to claim 9~~one of the previous claims~~,
—— wherein~~characterised in that~~
—— at least one additive fluid guide-(36) opens into an annular space-(37) of a~~the~~ flow channel-(23) between the guide sleeve-(13) and the support sleeve-(15).
21. (currently amended) Dosage feed device according to claim 20~~one of the previous claims~~,
—— wherein~~characterised in that~~
—— at least one connecting hole-(38) penetrates the support sleeve-(15) in the direction of the first sleeve end-(19) from the annular space-(37).
22. (currently amended) Dosage feed device according to claim 1~~one of the previous claims~~,
—— wherein~~characterised in that~~
—— the adjustment device-(3) exhibits at least a spindle drive-(39), a reduction gear-(40), in particular in the form of a so-called harmonic drive-(41), a helically toothed spur gear-(42) and a drive motor-(43).
23. (currently amended) Dosage feed device according to claim 22~~one of the previous claims~~,
—— wherein~~characterised in that~~
—— the spindle drive-(39) exhibits a rotatable, but axially undisplaceable spindle nut-(44) and a rotationally rigid, but axially displaceable threaded spindle-(45).
24. (currently amended) Dosage feed device according to claim 23~~one of the previous claims~~,
—— wherein~~characterised in that~~
—— a code carrier-(46) of a position sensor-(47) is ~~in particular~~ assigned to the threaded spindle-(45).

25. (currently amended) Dosage feed device according to claim 1 ~~one of the previous claims~~,

~~wherein~~ characterised in that

~~a device housing (48) exhibits~~ includes a number of insertion bevels ~~(49)~~ on the outer side of its housing ~~(52)~~.